

## Intrinsically safe power supply apparatus

**Patent number:** DE2429319  
**Publication date:** 1975-02-13  
**Inventor:** GREENWOOD ALAN NORMAN  
**Applicant:** COAL INDUSTRY PATENTS LTD  
**Classification:**  
- **International:** H02H9/02  
- **European:** H02H7/18; H02H9/00E  
**Application number:** DE19742429319 19740619  
**Priority number(s):** GB19730036283 19730731

**Also published as:**

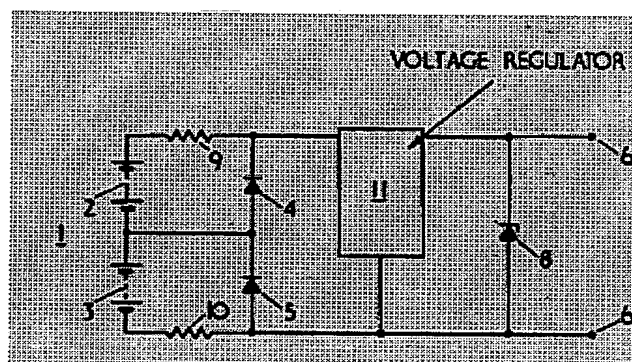
US3955132 (A)  
GB1441808 (A)  
FR2239790 (A)

**Report a data error here**

Abstract not available for DE2429319

Abstract of corresponding document: **US3955132**

A battery powered circuit has the battery source divided into serially connected sections and each section is shunted by a diode. The breakdown of one section gives only a low powered spark under fault conditions. The circuit can be used in hazardous environments such as coal mines or petrol installations.



Data supplied from the **esp@cenet** database - Worldwide